

Institute for Theoretical Physics
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Publications

- 1 *Interplay between magnetism, superconductivity, and orbital order in a 5-pocket model for iron-based superconductors - a parquet renormalization group study*
L. Classen, R-Q. Xing, M. Khodas, A.V. Chubukov, Phys. Rev. Lett. **118**, 037001 (2017)
- 2 *Competing instabilities, orbital ordering and splitting of band degeneracies from a parquet renormalization group analysis of a 4-pocket model for iron-based superconductors: application to FeSe*
R-Q. Xing, L. Classen, M. Khodas, A.V. Chubukov, Phys. Rev. B **95**, 085108 (2017)
- 3 *Competition of density waves and quantum multicritical behavior in Dirac materials from functional renormalization*
L. Classen, I. F. Herbut, L. Janssen, M. M. Scherer, Phys. Rev. B **93**, 125119 (2016)
- 4 *Mott multicriticality of Dirac electrons in graphene*
L. Classen, I. F. Herbut, L. Janssen, M. M. Scherer, Phys. Rev. B **92**, 035429 (2015)
- 5 *Ground state phase diagram of the half-filled bilayer Hubbard model*
M. Golor, T. Reckling, L. Classen, M. M. Scherer, S. Wessel, Phys. Rev. B **90**, 195131 (2014)
- 6 *Instabilities on graphene's honeycomb lattice with electron-phonon interactions*
L. Classen, M. M. Scherer, C. Honerkamp, Phys. Rev. B **90**, 035122 (2014)
- 7 *Heat, molecular vibrations, and adiabatic driving in non-equilibrium transport through interacting quantum dots*
F. Haupt, M. Leijnse, H. L. Calvo, L. Classen, J. Splettstoesser, M. R. Wegewijs, Phys. Stat. Solidi B **250**, 2315 (2013)
- 8 *Interaction-induced charge and spin pumping through a quantum dot at finite bias*
H. L. Calvo, L. Classen, J. Splettstoesser, M. R. Wegewijs, Phys. Rev. B **86**, 245308 (2012)